OIPE 4	a a a	
se type a plus sign (+) inside this box er the Paperwork Reduction Act of 1995, no possess are required to be substitute for form 1449A/PTO	spond to a collection of information	ved for use through 10/31/2002, OMB 0631-0031 ack Office: U.S. DEPARTMENT OF COMMERCE on unless it contains a valid OMB control number. Omplete if Known
INFORMATION DISCLOSURE	Application Number	09/805,410
	Filing Date	March 13, 2001
STATEMENT BY APPLICANT	First Named Inventor	Ernst H. Dummermuth
(use as many sheets as necessary)	Group Art Unit	- 2634 0
	Examiner Name	- T. Dougher ty
Sheet 1 of 1	Attorney Docket Number	99AB197

				U.S. PATENT DOC	IMENTS		
Examiner Initials	Cite No.1	U.S. Paleni Number	Kind Code ² (if known)	None of G. L. J.	Date of Publication of Cited Document MM-DD-YYYY	CLIA	Peges, Columns, Lines, UL Where Relevant Class Figures Appear
my		6,348,788		Yao et al.	02/19/2002	324	99R
						-	
							RECEIVED
							APR 1 7 2002
						_	Technology Center 26
	-						and a second
						-	
			\dashv				
\dashv	_		-1				
					-		
	\dashv		+				

			FUKE	IGN PATENT DOCUMEN	TS		
Cita	F	oreign Patent Do	current			Pages Columns 1)	-, -
No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant	T
							1
							+-
					 	· · · · · · · · · · · · · · · · · · ·	╄
					 		╄-
							╀
	L						↓_
					<u> </u>		┖
							<u> </u>
							
	Cite No.1	7.00	41.4	Cite Foreign Patent Document No.1 Kind Code	Cite Foreign Patent Document Name of Patentee or	Cite Foreign Patent Document No.1 Office3 Number4 Kind Code3 Number4 Cited Document	Cite Foreign Petent Document No. Office3 Number* (If foreign Applicant of Cited Document Cited

Examiner (1)	
Signature Miles VIII	Date /
Signature I famus M. Conglicty	Considered Man 10 2003
*EXAMINER: Initial if reference considered whether not sixtle	1 10000000

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next conformance and not include copy of this form with next conformance and not include citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial possible. ⁸ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take the conformance with MPEP 609. Draw line through citation if not in conformance and not include the conformance with MPEP 609. Draw line through citation if not in conformance and not include the conformance with MPEP 609. Draw line through citation if not in conformance and not include the conformance with MPEP 609. Draw line through citation if not in conformance and not include the conformance with MPEP 609. Draw line through citation if not in conformance and not include the conformance with MPEP 609. Draw line through citation if not in conformance and not include the conformance with MPEP 609. Draw line through citation if not in conformance and not include the conformance with MPEP 609. Draw line through citation if not in conformance and not include the confor

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →	+	ı
const that a bigg aids. (.) words this cox	-	ı

Please type a plus sign (+) inside this box

+ Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of 4

Complete if Known						
Application Number	09/805,410					
Filing Date	March 13, 2001	_				
First Named Inventor	Ernst H. Dummermuth	7				
Group Art Unit	2634					
Examiner Name	T. DOVEHERTY					
Attorney Docket Number	110003.97346					

				U.S. PATENT DOC	UMENTS	
Examiner Initials'	Cite No.1	U.S. Patent Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Rejevent Pelseges of Relevant Sup Peguns Monda
my		5,578,976		Yao	11/26/1996	1333/262-
TWM		5.761.350		Koh	6/2/1998	365/14
am		5,783,340		Farino et al.	7/21/1998	430/22
KM		5,804,314		Field et al.	9/8/1998	429/4020 -
SM		5,903,380		Motamedi et al.	5/11/1999	3.59/224 -
NUE		5,959,516		Chang et al.	9/28/1999	334/14 6 1
my		5,995,688		Aksyuk et al.	11/30/1999	385714 6
My		6,046,066		Fang et al.	4/4/2000	438/52
mo		6,071,426		Lee et al.	6/6/2000	276/24 6 63
NW		6,094,102		Chang et al.	7/25/2000	331/17 3 13
mes		6,100,477		Randall et al.	8/8/2000	200/16/
MO		6.114.794		Dhuler et al.	9/5/2000	310/307 B 310/206 B
MM		6,137,206		Hill	10/24/2000	310/206 0
MIL		6,159,385		Yao et al.	12/12/2000	216 /33
Mis		6,188,322		Yao et al.	2/13/2001	240/664
MO		6.232.841		Bartlett et al.	5/15/2001	330/305
Du		6,232,847		Marcy, 5th et al.	5/15/2001	331/160
				-		
		<u> </u>				

	FOREIGN PATENT DOCUMENTS											
Examiner Initials	Cite		oreign Patent Do		Name of Palentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	П				
	No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Ţέ				
1 1												
		·		1 1		1 1						

Examiner /4 / Con.		Date Date
Signature Aleman M.	Coulderty	Considered Way 410, 2003
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<u> </u>

*EXAMINER: Initial if reference considered, whether or policitation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

[110003.97346]

Substil	ute for	form 1449B/PTQ	Co	mplete if Known	~
			Application Number	09/805,410	<u> </u>
INF	OR	MATION DISCLOSURE	Filing Date	March 13, 2001	0
STA	\TE	MENT BY APPLICANT	First Named Inventor	Ernst H. Dummermuth	
			Group Art Unit	- 2834	4
	(4	ise as many sheets as necessary)	Examiner Name	TIBUgherty	<u> </u>
Sheet	2	of 4	Attorney Docket Number	110003.97346 /	
}		OTHER PRIOR ART - No Include name of the author (in CAPITA	ON PATENT LITERATUR		\neg
ekominer initials	Cite No.1	ilem (book, magazine, journal, serial, syn		e(s), volume-issue number(s).	
fmV)	1	Tournazou, C. et al., n-step Charge Inje Current Circuits, Electronic Letters, V.3	ection Cancellation Schem 0 (9) 680-681: 1994.	re for Very Accurate Switched	n,
Trub	2	Emmerich, H., et al., A Novel Micromac Conference, January 17-21, 1999, IEE			•••
,	2	Madou, Marc, Fundamentals of Microfa 1997.	•	RC Press LLC, Boca Raton, FL	200
two	P	12/1	997	<u> </u>	
TYPE	4	Kovacs, Gregory T.A., Micromachined and Index, WCB McGraw-Hill, U.S.A.:		Table of Contents, pp. 77-119	3
ton) ⁵	Teegarden, Darrell et al., How to Mode 66-75, July 1998.	l and Simulate Microgyros	cope Systems, IEEE Spectrum	
TMO	6	Emmerich, Harald et al., Magnetic Field Magnetic-Field Sensor, IEEE Transacti			
AND	7	McGruer, N.E. et al., Electrostatically A Sensor and Actuator Workshop, Hilton			5.
CLMT	8	Miyajima, Hiroshi et al., High-Aspect-R. Microelectromechanical Sys., V.4(4) 22		MEMS Applications, J. of	
DWD	9	Lu, Crist et al., A Monolithic Surface Mi Solid State Circuits, V. 30 (12) 1367-13		ter with Digital Output, IEEE J. (əf
Cart	10	Chen, Ming-Jer et al., Weak Inversion (Solid-State Circuits, V. 30 (5) 604-606,		MOS Switches, IEEE J. of	
<u> </u>	11	Lemkin, Mark A. et al., A Fully Different Circuitry, Solid-State Sensor and Actual 1996, pp. 90-93.			

¹ Unique citation designation number, ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Schetit	ite for	form 1449B/PTO		Co	ompiete if Known	~			
		***************************************		Application Number	09/805,410				
			DISCLOSURE		March 13, 2001				
STA	\TE	MENT BY	/ APPLICANT		Ernst H. Dummermuth	2			
		·	.4	Group Art Unit	2834	- Q.			
Phone	, 	ise as many shee	1	Examiner Name Attorney Docket Number	T. Lougherty				
Sheet	3	of	4	Attorney Docker Normal	110003/97346 /				
						-			
	,			NON PATENT LITERATUR					
aminer tials	Cite No.1		ok, magazine, journal, serial,	PITAL LETTERS), title of the article (v symposium, catalog, etc.), date, pag r, city and/or country where publishe	ge(s), volume-issue number(s),	, T 2			
m	12		Boser, Bernhard E. et al., Surface Micromachined Accelerometers, IEEE J. of Solid-State Circuits, V. 31 (3) 366-375, March 1996.						
TONV)	13		Fedder, Gary K. et al., Multimode Digital Control of a Suspended Polysilicon Microstructure, J. of Microelectromechanical Sys., V. 5 (4) 283-297, Dec. 1996.						
למל.	1,4			Converters-Audio and Mediu rebsite: www.rmsinst.com, 6					
mb)	15	Internet page:	Decimator Filter DLL,	NeuroDimension Inc.: www.					
					ER 200				
					. (2			

Examiner Signature	Thanas M.	h duch	erto	Date Considered	markio	2003
	V		7)	,		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English (anguage Translation is attached.

Burden Hour Statement: This form is eatimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/06B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it contains a valid OMB control number. Please type a plus sign (+) inside this box -> Under the Paperwork Reduction Act of 1995, no persons Complete if Known Substitute for form 1449B/PTO 09/805,410 **Application Number** INFORMATION DISCLOSURE Filing Date March 13, 2001 Ernst H. Dummermut First Named Inventor STATEMENT BY APPLICANT Group Art Unit (use as many sheets as necessary) **Examiner Name** T. DOUGHERT of 4 Attorney Docket Number 110003.97346 Sheet

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	9	L
Examiner Initials	Cite No.1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	P
		U.S. Patent Application No.: 09/406,654, filed on September 27,1999.		
tmb	1	NOW USP 6463339		
		U.S. Patent Application No.: 09/400,125, filed on September 21,1999.		
KW)2	now usp 6417743		
	3	U.S. Patent Application No.: 09/406,509, filed on September 28,1999.		
Sub	3	NOW USP 6348788		l
	4	U.S. Patent Application No.: 09/955,493, filed on September 18,2001.		
M	7	Publication 20020084964		
Ť) ".	5	U. S. Patent Application No.: 09/955,494, filed on September 18, 2001.		
(1011)	3	1000 USP 6446005		l
<u> </u>	_	U.S. Patent Application No.: 09/675,861, filed on September 29, 2000.		
(W)	6	now USP 6411219 音…	ブ	ı
		<u> </u>		ı
			1	Ŀ,
				-
		DEWLER SROP	(ļ
		383		
		Ý Ö		
			├	

Examiner Date Signature Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication of applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.